

Form PTO-1390		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY'S DOCKET NUMBER P27813	
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371				U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/533,078	
INTERNATIONAL APPLICATION NO. PCT/JP2003/013855		INTERNATIONAL FILING DATE 29 October 2003		PRIORITY DATE CLAIMED 29 October 2002	
TITLE OF INVENTION PRODUCTION OF KNOCKDOWN ANIMAL VIA INTRODUCTION OF DOUBLE-STRANDED RNA EXPRESSION VECTOR					
APPLICANT(S) FOR DO/EO/US Shunsuke ISHII, Toshie SHINAGAWA, Koji UCHIDA, and Naoki HAYASHI					

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information.

- ☐ This is a FIRST submission of items concerning a filing under 35 U.S.C. 371.
- ☒ This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.
- ☐ This is an express request to promptly begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (23) indicated below.
- ☐ The US has been elected (PCT Article 31).
- ☐ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 - ☐ is attached hereto (required only if not communicated by the International Bureau).
 - ☐ has been communicated by the International Bureau.
 - ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
- ☐ An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)).
 - ☐ is attached hereto.
 - ☐ has been previously submitted under 35 U.S.C. 154 (d) (4).
- ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
 - ☐ are attached hereto (required only if not communicated by the International Bureau).
 - ☐ have been communicated by the International Bureau.
 - ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - ☐ have not been made and will not be made.
- ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
- ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). "Executed"
- ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11 to 22 below concern other document(s) or information included:

- Assignee: ORIENTAL YEAST CO., LTD., of Tokyo, Japan; and RIKEN, of Saitama, Japan
- ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
- ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
- ☐ A FIRST preliminary amendment.
☒ A SECOND or SUBSEQUENT preliminary amendment.
- ☐ An Application Data Sheet under 37 C.F.R. 1.76.
- ☐ A substitute specification.
- ☐ A power of attorney and/or change of address letter.
- ☐ Figure of Drawing to be published: 1A and 1B
- ☒ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821-1.825.
(with paper copy/written of the same)
- ☐ A second copy of the published international application under 35 U.S.C. 154 (d) (4).
- ☐ A second copy of the English language translation of the international of the international application under 35 U.S.C. 154 (d) (4).
- ☒ Other items or information:
Cover Letter.
Statement that the Content of the Paper and Computer Readable Copies of the Sequence Listing are the Same.
Copy of form Notification to Comply with Requirements (PCT/DE/EO/922).
One replacement drawing sheet.

U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/533,078		INTERNATIONAL APPLICATION NO. PCT/JP2003/013855		ATTORNEY'S DOCKET NUMBER P27813	
23 <input type="checkbox"/> The following fees are submitted: Basic national fee..... 300.00				CALCULATIONS	PTO USE ONLY
				\$ 0.00	
24 <input type="checkbox"/> Examination Fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33 (1)-(4)..... 100.00 All other situations..... 200.00				\$ 0.00	
25 <input type="checkbox"/> Search fee Search fee (37 CFR 1.445(a) (2)) has been paid on the international application to the USPTO as an International Searching Authority..... 100.00 International Search Report prepared and provided to the Office..... 400.00 All other situations..... 500.00				\$ 0.00	
TOTAL 23, 24 and 25 =				\$ 0.00	
<input type="checkbox"/> Additional Fee for Specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in electronic medium). The fee is \$250.00 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
-100=	/50 =		x \$250.00	\$ 0.00	
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(h)).				\$ 0.00	
Claims	Number Filed	Number Extra	Rate		
Total Claims	25 - 25 =	0	x \$50.00	\$ 0.00	
Independent Claims	3 - 3 =	0	x \$200.00	\$ 0.00	
Multiple Dependent Claim(s) (if applicable)			+ \$360.00	\$ 0.00	
TOTAL OF ABOVE CALCULATIONS =				\$ 0.00	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$ 0.00	
SUBTOTAL =				\$ 0.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492 (i)).				\$ 0.00	
Extension of Time fee in the amount of \$				\$ 0.00	
TOTAL NATIONAL FEE =				\$ 0.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$ 0.00	
TOTAL FEES ENCLOSED =				\$ 0.00	
				Amount to be refunded	\$
				Charged	\$

a. ☐ A check in the amount of \$_____ to cover the above fees is included.

b. ☐ Please charge my Deposit Account No. _____ in the amount of \$_____ to cover the above fees.

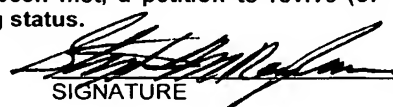
c. ☒ The U.S. Patent and Trademark Office is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 19-0089.

d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO CUSTOMER NO. 07055
AT THE PRESENT ADDRESS OF:

Bruce H. Bernstein
GREENBLUM & BERNSTEIN, P.L.C.
1950 Roland Clark Place
Reston, VA 20191
(703) 716-1191


 SIGNATURE
 Stephen M. Roylance
 Reg. No. 31,296

Bruce H. Bernstein
 NAME
 29,027
 REGISTRATION NUMBER

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Shunsuke ISHII et al.

Mail Stop PCT

Appl. No. : 10/533,078 (National Stage of PCT/JP03/013855)

I. A. Filed : October 29, 2003

For : PRODUCTION OF KNOCKDOWN ANIMAL VIA INTRODUCTION OF
DOUBLE-STRANDED RNA EXPRESSION VECTOR

COVER LETTER

Mail Stop PCT

Commissioner for Patents
U.S. Patent and Trademark Office
Customer Service Window, Mail Stop PCT
Randolph Building
401 Dulany Street
Alexandria, VA 22314

Sir:

In order to comply with the requirements (copy enclosed) for the submission of a sequence listing in computer readable form of the International Application set forth in the Notification mailed January 9, 2006 which sets a two-month period of response until March 9, 2006, Applicants hereby submit:

- Transmittal Letter to the United States Designated/Elected Office Concerning a Filing Under 35 U.S.C. 371;
- a Statement that the Content of the Paper and Computer Readable Copies of the Sequence Listing are the Same;
- a diskette containing sequence listing, with paper copy/written of the same (3 pages);
- a Supplemental Preliminary Amendment; and
- one replacement drawing sheet.

The U.S. Patent and Trademark Office is hereby authorized to charge any additional fees or credit any overpayment to Deposit Account No. 19-0089.

Should the Examiner have any questions, he is invited to contact the undersigned at the below-listed number.

Respectfully submitted,
Shunsuke ISHII et al.

A handwritten signature in black ink, appearing to read "Bruce H. Bernstein", written over a horizontal line.

Bruce H. Bernstein
Reg. No. 29,027

February 1, 2006
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UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/533,078	Shunsuke Ishi	P27813

INTERNATIONAL APPLICATION NO.

PCT/JP03/13855

I.A. FILING DATE

10/29/2003

PRIORITY DATE

10/29/2002

7055
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RESTON, VA 20191

RECEIVED

JAN 16 2006

GREENBLUM & BERNSTEIN PLC

CONFIRMATION NO. 2400

371 FORMALITIES LETTER



OC000000017805853

Date Mailed: 01/09/2006

NOTIFICATION TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE AND/OR AMINO ACID SEQUENCE DISCLOSURES

Applicant is given **TWO MONTHS FROM THE DATE OF THIS NOTICE** within which to file the items indicated below to avoid abandonment. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

- A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 CFR 1.821(e). If the effective filing date is on or after September 8, 2000, see the final rulemaking notice published in the Federal Register at 65 FR 54604 (September 8, 2000) and 1238 OG 145 (September 19, 2000). Applicant must provide an initial computer readable form (CRF) copy of the "Sequence Listing" and a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d). If applicant desires the sequence listing in the instant application to be identical with that of another application on file in the U.S. Patent and Trademark Office, such request in accordance with 37 CFR 1.821(e) may be submitted in lieu of a new CRF.

Applicant is cautioned that correction of the above items may cause the specification and drawings page count to exceed 100 pages. If the specification and drawings exceed 100 pages, applicant will need to submit the required application size fee.

For questions regarding compliance to 37 CFR 1.821-1.825 requirements, please contact:

- For Rules Interpretation, call (571) 272-0951
- For Patentin Software Program Help, call Patent EBC at 1-866-217-9197 or directly at 703-305-3028 / 703-308-6845 between the hours of 6 a.m. and 12 midnight, Monday through Friday, EST.
- Send e-mail correspondence for Patentin Software Program Help @ ebc@uspto.gov

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

PATRICIA A BOOKER

Telephone: (703) 308-9140 EXT 204

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/533,078	PCT/JP03/13855	P27813

FORM PCT/DO/EO/922 (371 Formalities Notice)